

**Notice of Allowability**

Application No.

10/626,200

Examiner

Jerome Grant II

Applicant(s)

HSU ET AL.

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an examiner's amendment of 1-18-08.
2. ☒ The allowed claim(s) is/are 1, 6-9 and 14-26.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/417,497
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 1-21-08
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

/Jerome Grant II/

### **Reasons for Allowance**

**Claims 1, 6-8, 21 and 22 are allowed for the reason the prior art does not teach or suggest, "... performing a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including determining whether the primitive scanned image represents text."**

**Claims 9, 14-16, 23 and 24 are allowed for the reason the prior art does not teach or suggest, "...means for performing a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including determining whether the primitive scanned image represents text characters."**

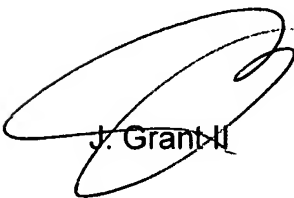
**Claim 17 is allowed for the reason the prior art does not teach in claimed combination, "... performing a set of image processing routines on the primitive scanned image to obtain image qualities of the document" the image processing routines including determining whether the document includes color images."**

**Claim 25 and 26 are allowed for the reason the prior art does not teach or suggest, "... circuitry to perform a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including automatic character recognition."**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Fri. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles, can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



J. Grant II

### **Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael Cofield on December 13, 2007.

1. (Amended by the Examiner) A method implemented on a computing system, the method comprising:

performing a primitive scan operation on a document based on a set of default image processing settings to obtain a primitive scanned image;

performing a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including determining whether the primitive scanned image represents text;

specifying a set of image processing settings for the document based at least in part on the obtained image qualities; and performing a second scan on the document based at least in part on the specified image processing settings.

2.- 5. (Cancelled)

6. (Previously presented) The method of claim 1, wherein the specified image processing settings are specified in accordance with the obtained image qualities of the document.

7. (Previously presented) The method of claim 21, wherein the application program comprises an image editing program.

8. (Previously presented) The method of claim 21, wherein the application program comprises a word processor program.

9. (Amended by the Examiner) A user interface implemented on a computer system, the user interface comprising: a means for performing a primitive scan operation on a document based on a set of default image processing settings to obtain a primitive scanned image; means for performing a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including determining whether the primitive scanned image represents text characters; means for obtaining a set of image processing settings for the document based at least in part on the obtained image qualities; and means for performing a second scan on the document based at least in part on the specified image processing settings.

10.-13. (Cancelled)

14. (Previously presented) The user interface of claim 9, wherein the specified image processing settings are obtained in accordance with the obtained image qualities of the document.

15. (Previously presented) The user interface of claim 23, wherein the application program comprises an image editing program.

16. (Previously presented) The user interface of claim 23, wherein the application program comprises a word processor program.

17. ( Amended by the Examiner) A computer-readable storage medium having stored thereon instructions which , when executed, perform a method, comprising: performing a primitive scan on a document based on a set of default image processing settings to obtain a primitive scanned image to provide to the scanner driver; performing a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including determining whether the document includes color images; specifying a set of image processing settings for the document based at least in part on the obtained image qualities; and performing a second scan on the document based at least in part on the specified image processing settings.

18. (Previously presented) The computer-readable storage medium of claim 17, wherein the instructions, when further executed, further results in the specified image processing settings being specified in accordance with the obtained image qualities of the document.

19. (Previously presented) The computer-readable storage medium of claim 17, wherein the application program comprises an image editing program.

20. (Previously presented) The computer-readable storage medium of claim 17, wherein the application program comprises a word processor program.

21. (Previously presented) The method of claim 1, wherein the computer system is further adapted to execute an application program.



22. (Amended by the Examiner) The method of claim 21, and further comprising transferring an image obtained from the second scan to said application program.

23. (Previously Presented) The user interface of claim 9, wherein the computer system is further adapted to executed an application program.

24. (Amended by the Examiner). The user interface of claim 23, and further comprising transferring an image obtained from the second scan to said application program.

25. (Amended by the Examiner) An apparatus, comprising:

A scanner to perform a primitive scan operation on a document based on a set of default image processing settings to obtain a primitive scanned image; circuitry to perform a set of image processing routines on the primitive scanned image to obtain image qualities of the document, the image processing routines including automatic character recognition; circuitry to obtain a set of image processing settings for the document based at least in part on the specified image processing settings.

26. (Previously Presented) The apparatus of claim 25, wherein the specified image processing settings are obtained in accordance with the obtained image qualities of the document.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles, can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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J. Grant II

A handwritten signature in black ink, consisting of a large, stylized 'J' followed by a series of loops and a final downward stroke.